

# JACOBS

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## Project Notes

103 Sawyer Street  
New Bedford, MA 02746  
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Client	USACE New Bedford Office	Date	February 1, 2017	
Project	New Bedford Harbor Superfund Site	Project No.	35BG1001	
Prepared By	Steve Sills	Note No.	615	
Subject	New Bedford Harbor - Client Update Meeting			
Participants	(* Denotes Part Time Participation)	Distribution (attendees plus)	See below	
<u>Client</u>	<u>EPA</u>	<u>MassDEP</u>	<u>Jacobs</u>	<u>Battelle</u>
Tim Rezendes	Dave Dickerson	Garry Waldeck	Anita Rigassio Smith	Jessica Tenzar
Peter Hugh	Abdul Tahir		Mark Gouveia	Deirdre Dahlen
Marie Esten	Dave Lederer	<u>Sevenson</u>	Steve Fox	Patty White
Ellen Iorio	Hoshaiah Barczynski	Joe Mahoney	Beth Anderson	
Bob Christie		Mike Crystal	Steve Sills	
		Mike Elia		

## SAFETY/SITE MAINTENANCE

Safety Alert	Notes
	Snow resulted in cancellation of the third round of soil hauling yesterday.
	The site is muddy and with the freeze and thaw cycle, folks were cautioned of tripping hazards.
	Equipment is moving around site, be cognizant of area when you are moving around.
<b>Site Maintenance</b>	All of the water is shut off to the hydrants and the decon trailer – contact Mark if you need water turned on for any reason.
	A broken weld on the 50-ft gate at Area D requires repair. Use the smaller gate for access to Area D. Water heater repairs also required at Area D.

Distribution: Participants; Jacobs: Document Control File, Beth Anderson, Mike Anderson, Jon Blount, Jackie Connor, Josh Cummings, Lonnie Fallin, Steve Fox, Ken Gaynor, Mark Gouveia, Al Hardesty, Debra Hickman, Alison Hutchinson, Will Kenyon, Mike Morris, Jim Piccuito, Greg Scott, Steven Sills, Anita Rigassio Smith, Shane Taylor, Ann Webb, Poinciana Willis, Mary Wright; **Sevenson**: Mike Crystal, Joe Mahoney **USACE**: Tim Rezendes, Kevin Coleman, Bob Christie, Jay Mackay, Marcos Paiva, Ellen Iorio, Sheila Winston-Vincillia, Peter Hugh, Steve Wolf, Marie Esten, Nate Mangelson; **EPA**: Cynthia Catri, David Peterson, Dave Lederer, Barb Bergen, Dave Dickerson, Hoshaiah Barczynski; **MADEP**: Paul Craffey, Garry Waldeck; **Battelle**: Deirdre Dahlen, Jessica Tenzar, Patricia White **KOMEN**: Debi Heims; **Lally Consulting**: John Lally

ACE-J23-35BG1001-P4-0105



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### JACOBS FIELDWORK DMUs/CAD CELL (Current 1/18/17)

MU	Design Volume	Dredged to Date (CY)	1st pass	2nd pass	Verification Sampling	Verification Sampling Results	Confirmation Sampling	Confirmation Sampling Results	Progress Bathy Survey	Final Bathy Survey	Date Area Cleared	Notes
MU-28 (North)	13,027	7,294	1/24/2017		Scheduled for 2/2-3/2017 (dredge lanes/17 (Lanes A-J)				1/24/17, 1/27/17, and 2/1/17			Divided into three areas, lower third cleared South to North per EPA (D. Lederer). USACE to follow up with EPA on change.
MU-28 (Central)												
MU-28 (South)												
A33 & 33A	4,786	4,416	7/1/2016	7/19/2016	11/17/16 (2nd round)	Complete	Complete (first round, second round)	Second round 1/6/17 (updated CDA mean = 9.3 mg/kg)			N	Waiting for validation of three intervals – all <50ppm
A34			10/31/2016	11/3/2016	11/17/2016, 12/6/16 (2 <sup>nd</sup> round), 1/16/2017 (3 <sup>rd</sup> round)	Complete preliminary IA posted 1/5/17 (2 <sup>nd</sup> round) and 1/17/2017 (3 <sup>rd</sup> round)	11/17/16, 12/6/16 (2nd round), 1/16/2017 (3 <sup>rd</sup> round)	1/5/17 (1 <sup>st</sup> and 2 <sup>nd</sup> round, pre-validated; CDA mean = 19.8 mg/kg).		2/1/17		Heart of Darkness area 3 <sup>rd</sup> round: A34-04 and A34-06
37C												Need to move moorings
37D												Perform with 37C
A36, B36	7,860 (subtidal)	4,965 (subtidal)	12/15/16		12/28/16 (A36, 1 <sup>st</sup> round), 1/16/2017 (A36, 2 <sup>nd</sup> round),	1/5/2017 (1 <sup>st</sup> round, preliminary), 1/17/2017 (2 <sup>nd</sup> round, preliminary),	12/28/16 (A36, 1 <sup>st</sup> round), 1/16/2017 (A36, 2 <sup>nd</sup> round), 1/20/17 (A36, 3 <sup>rd</sup> round)		1/17/17			Moby Dick 3 <sup>rd</sup> round: A36-09. Piles have been delivered. Preliminary start date of 3/1/17.



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					1/19/1207 (A36-09, 3 <sup>rd</sup> round)	1/20/2017 (A36-09, preliminary)						
CAD Cell	—	—	—	—	—	—	—	—	Week of 2/6	—	—	Track Progress Survey date

### OTHER FIELDWORK

Action	Date	Notes
CAD Cell Curtain Inspections	Ongoing	Curtain will be replaced by FFP Contractor at start of contract. Also, EPA (Lederer, Barczyski) will coordinate with Jacobs, (Mark G.), for a site visit to inspect the silt curtains in the Lower Harbor CAD cell.
PMC shoreline excavation	Ongoing	Excavation currently suspended while sheet piles are installed. Loadout continues from the DDA.
Aerovox 21e Project	Ongoing	There continues to be no activity at the site.
Upper Harbor Dredging	1/16/17	Dredging ongoing in MU-28.
OU III Cap Sampling and Bathymetry	1/19/17 (sediment sampling completed)	Sampling completed 1/19/17, analysis in progress. Congener data available at the end of the week. Bathymetric survey conducted Monday, Tuesday, and Wednesday of this week.
Inventory of site monitoring wells		All six wells need locks. Two wells need caps.
Pipeline Relocation	TBD	Jacobs/SES to provide schedule
Pile installation for docks at Moby Dick Marina	3/1/17 to initiate installation	The piles have been delivered. Severson, USACE (Tim R.), and Jacobs (Mark) will meet with the owner to discuss schedule. EPA (Dave L.) requested that USACE/Jacobs document the discussions with the Moby Dick Marina owner.

### SAMPLING AND ANALYSIS

Event	Samples Collection	Analytical Testing	Unvalidated Results	Validated results	Notes
Water Quality Monitoring (Lower and Upper Harbor)	MU28	in situ turbidity only	N/A	N/A	Boat-based WQM is being conducted in the Upper Harbor (MU28) today, 2/1/2017; WQM not scheduled this week for the Lower Harbor. Per USACE, (Marie), Lower Harbor will not be monitored during CAD cell placement.



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Event	Samples Collection	Analytical Testing	Unvalidated Results	Validated results	Notes
LH MU33	11/17-18/2016	IA and Congener	1/6/2017		LH02, LH07, LH11 (from re-dredge areas); validation of PCB congener data scheduled to be complete 2/1/2017.
Near shore CDA Confirmatory Sampling	A-34, B-35, C-35	PCB Congener	1/5/2017		Validation of PCB congener data scheduled to be complete 2/1/2017.
Near shore CDA Confirmatory Sampling	1/16/2017 (A-34)	IA Congener	1/17/2017		PCB congener analysis of A34-04 and A34-06 (collected 1/16/2017) in progress; pre-validated data should be available 2/13/2017.
Moby Dick Verification/Confirmatory Sampling	12/28/2016 1/16/2017 1/19/17	IA IA	1/6/2017 1/17/2017 1/20/17		PCB congener analysis of confirmatory samples in progress; pre-validated data should be available 2/13/2017.
MU28 Verification Sampling					Scheduled to collect grab samples on 2/2-3/2017 at verification locations within dredge lanes A-J (northern third area)
Pierce Mill Cove Verification/Confirmatory Sampling	12/14-15, 12/21 and 12/27/2016 1/25/17	IA Congener	1/4/2017  1/31/17	N	<del>Sidewall samples from 5 locations along southwest shore were collected 1/25/2017; IA results reported 1/31/2017.</del> Congener analysis of six samples in progress; pre-validated data should be available 2/13/17.
OU-3 Pilot Cap Sediment Sampling	1/19/2017	NOAA 18			PCB congener analysis complete and QC'd data should be available by the end of the week; PCB homologue analysis in progress and pre-validated data should be available 2/6/2017.

*data in validation (3 wks) check w/ team*

### MEETINGS/OTHER ACTIVITIES

Action	Date	Notes
Aerovox 21e Project – Phase III RAP	Ongoing	EPA awaiting responses to comments submitted to MassDEP on the Phase III Remedial Action Plan and the IRA status report #7 on 9/19. MassDEP is generating a draft dispute letter for distribution to AVX, which has been forwarded to USACE (Steve Wolf) for review. EPA will also forward the draft letter to MassDEP (Garry Waldeck).
City of New Bedford Update	Ongoing	Final Pierce Mill Cove Plans will be provided to CoNB (Michelle) electronically. EPA (Dave L) meeting with Michele today.



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Super JTI	Ongoing	In November, 2016, Jacobs (Steve F.) provided table presenting potential positions to EPA (Dave L). Dave has submitted to EPA JTI Lead and has been in contact with headquarters. In addition, EPA (Dave L.) has been talking with the DPW for potential positions for Super JTI, which he will discuss during meeting with CoNB (Michele) today.
Cleanup Strategy Meeting	2/16/17	The meeting will be held at the New Bedford field office at 9:30. Agenda will be sent to EPA (Dave L) for any comments.
NB Rail service operational	Ongoing	Jacobs (Mark) will speak with Kevin Franklin about any other service outages.
Fence at Parcel 265	Ongoing	City needs to walk the site and let Jacobs know whether they want the fence put back and where. Jacobs (Mark) to follow up with CoNB.
Marsh Island & other intertidal area access	2/8 at 11 AM	EPA (Dave D) would like to meet with USACE/Jacobs/SES to discuss excavation approach for Marsh Island and other intertidal areas requiring excavation.

## DELIVERABLES

No.	Document Name	Organization	Submit Date	Comments Due	Reviewers	Notes
B1	Intertidal Phase 2 Study Report	Battelle	10/12/16 (Final - 1/20/16)	1/20/17	Dickerson, Lederer	Phase 2 report will be finalized after letters to property owners are finished to ensure consistency. Dave L will review Ginny's comments and inform Battelle if he intends to respond.
B2	Water Quality Monitoring FSP	Battelle	9/29/2016	1/20/17	Stanley (1/18)	Preparing DF.
B3	2016/2017 Field Season QAPP	Battelle	9/29/2016 (Draft)  2/10/2017 (Draft Final)	1/20/17	Stanley (1/18)	Comments received from USACE (10/18/16) and EPA (1/18/17).
B4	Cliftex Field/Data Report <i>Miss Friday</i>	Battelle	11/23/2016 (Draft)  2/10/2017 (Final)	1/6/17	Lewis, Stanley (1/18)	Comments were received from USACE (12/14/16) and EPA (1/18/17).
B5	2016 Groundwater Monitoring Tech Memo	Battelle	12/9/2016 (Draft) 2/28/2017 (Final)	1/20/2017	Lewis, Stanley	Comments received from USACE (1/9/17) and EPA (1/25/17).



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B6	Station map showing proposed MU28 verification/confirmatory sampling locations	Battelle	1/16/2016			FSP Addendum will be prepared after identification of other MUs to include in the CDA.
B7	Comparison Study of high resolution and low resolution Homolog analysis. <i>waiting for remaining data high res to come in</i>	Battelle/AECOM			Lewis, Lederer	Battelle will provide Jacobs with the spiked samples on 1/24 for analysis with the Upper Harbor ambient air samples. Samples are being collected today (1/25/17) and tomorrow (1/26/17). Documentation will be presented as a white paper.
J1	Aerovox Nearshore Data Gap Boring Report (Internal review)	Jacobs	1/20/17 <i>2-22-17</i>		Dickerson, Steve Wolf	Document sent (1/26/17).
J2	Update Aerovox Cost Estimate/Alternatives (current scope) <i>include cap est in comp. strat.</i>	Jacobs	12/23/16	1/13/2017	Stanley, USACE PDT	EPA (Dave D) sent email on 2/2. No excavation will occur until state remedy is in place. A temporary measures will be taken.
J3	Pierce Mill Cove Restoration Plan RCL	Jacobs	12/28/16	<i>1/18/17</i> <i>2/15</i>	Rezendes, Penko, Dickerson, Waldeck	Comments from Dickerson, Craffey, and Penko received on RCL. MOR to be issued on 2/8/17.
J4	MU-25	Jacobs	<i>2/13</i>			Prepare dredge prisms for RAL=10,



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						30, 50 for comparison. WP Addendum to follow.
J5	Between the Bridges	Jacobs	TBD		Iorio, Rezendes, Lederer, Lally, Esten	Identify what material can be reached by land and water.
J6	RCL for Upper Harbor Dredge Plan for LHCC	Jacobs	1/24/17	2/10/17	Iorio, Rezendes, Lederer, Lally, Esten, Waldeck	Document sent 1/24/17 waiting for back check.
J7	Parcel 265 After Action Report, RCL	Jacobs	<del>2/7/2017</del> 2/17/17			Preparing an RCL to address EPA (Ginny) comments.
J8	2015 Data Summary Report (DSR) RCL	Jacobs	2/7/2017	2/10/17	Stanley	
J9	Existing Debris Map for City of NB	Jacobs	TBD			Will be completed after debris operations are complete.
J10	2014/2015 Ambient Air Report RCLs	Jacobs	2/10 ✓		Lewis, Lederer, AECOM	Working on RCL, received comments on PETS Curves. Focus of report is now data deliverable. Need firm date from Jacobs. (Mike) to submit RCL.
J11	Dive plan for pipe relocation	Jacobs	<del>1/13/17</del> 2/14			USACE (Ellen) sent comments today and indicated that another submission will be needed.
J12	Comprehensive Plan Milestones	Jacobs	---	---	---	Being developed.
J12a	Refine Design Assumptions, Updated Cost Estimates, sequencing of work	Jacobs	2/15/16			Agencies to approve design, costs, and sequencing.
J12b	Comprehensive Plan Lally Outline					EPA direction then scoping meeting.



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No.	Document Name	Organization	Submit Date	Comments Due	Reviewers	Notes
						Jacobs to prepare budget with resources, milestones and schedule
J13	Phase II Archeological Investigation Summary Report Delivery dates <i>now w/ Karen &amp; Marco</i>	Jacobs/CR/PAL	<b>Interim Memorandum</b> (1/31/17) <b>Draft Arch. Report</b> (late Feb/early March 2017) <b>Final Arch. Report</b> (30 days after receipt of agency comments)	2/15/17 (Interim)	Karen Lumino, Paiva	
J14	David Robinson complete a Memorandum on shipwreck geophysical investigation/probing conducted by CR in December 2016	Jacobs/CR	2/8/17 ✓			David Robinson Draft sent to Jacobs 1/25/17
J15	Archeological Disposition Spreadsheet	Jacobs, CR, PAL	TBD			USACE (Ellen) sent Jacobs (Steve F. and Mark) EPA request for PAL/Jacobs to inventory artifacts.
J16	Jacobs (Steve S.) to complete Between the Bridges maps presenting sample locations and results	Jacobs	2/17 ✓			EPA (Dave L.) requested maps to provide information to TWG.
U1	CAD Cell Slope Monitoring and Consolidation	USACE	Ongoing	NA	Rezendes	Continue as bathymetric surveys are completed. Bathymetric scheduled for week of 1/30 for CAD Cell.
E1	Fate and Transport Model Letter Report	ERDC	3/17/17		Iorio, USACE PDT, Bergen, Barczyski	Report update



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No.	Document Name	Organization	Submit Date	Comments Due	Reviewers	Notes
N1	Coggeshall CSO As-builts	City of NB	TBD			Work remains for Spring 2017. As builts will be provided after work is complete. Pending on results from City.

### AIR MONITORING

Event	Samples Collection	Unvalidated Results	Validated results	Notes
Dec Ambient Air Sampling	12/1 and 12/2 (PMC), 12/6 and 12/7 (Lower Harbor)	High Res (1/20) <i>1/20</i>	N	The initial PMC sampling round consisted of both low resolution and high resolution homolog ambient air sampling methods at four (4) locations. Jacobs received and distributed low resolution data. Low res data will be available this week, (week of 1/23/17).
Jan Ambient Air Sampling	1/10 and 1/11 (PMC), Upper Harbor (1/25 and 1/26)	Low Res (1/25) <i>1/25</i>	N	The PMC sampling event included both low and high resolution homolog ambient air sampling methods at four (4) locations. According to USACE (Ellen), the goal is to transition to low resolution method.
Low Resolution Homolog Air Data				USACE (Ellen) requested that the Low Resolution Homolog air data be placed in the Battelle database.
July/Aug Area C VOC sampling (Summa)				Per EPA (Elaine) request, this sampling event will be conducted at Area C in the area surrounding Cell #1.

### RIGHT OF ENTRY/PUBLIC RELEASE FORMS

Parcel or Name of Owner	Right of Entry Need Date	Task	Notes
17-1 and 17-3/Mike Panagakos	Before dredging of BtB	Subtidal/Intertidal	EPA (Lederer) provided a tentative schedule for mid-2017 through 2018 remediation. Waiting for signed ROE – Dave L. continuing efforts to reach owner.
Robichaud		Archeology	EPA (Barczyski) will distribute.
Cemetery			Need before Moby Dick reopens
LH Properties - Miquel			

► Fish ~~Harbor~~ Passage Plan (JE) & coord. letter (Hosh. B.)



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### CONTRACT ACTIONS

Contract	Date	Notes
TERC TO# 1, 6, 7, 8 Incentive Fees	January 2017	Final action is with Contracting.
TERC TO#1, 6, 8 Closeout	TBD, 2017	Final action is with Contracting.
Bathymetric Survey Contract for FFP Contract	3/8/17	Award.
Site Visit for FFP Contract	2/2/17	2/2 at 1 PM at Area D. took place
Battelle modification in contracting	3/13/17	Two contract actions: one for additional core sampling and another for water quality monitoring
RAC Task Order	2/13/2017	Award.